IN THE CLAIMS:

Please cancel Claims 1 to 12 without prejudice to Applicants' right to present these claims in a later-filed division. Please amend Claims 13 to 19 and 21 to 23, as shown below. The claims, as pending in the subject application, read as follows.

1 to 12. (Cancelled)

13. (Currently Amended) A method for manufacturing BaTiO₃ - PbTiO₃ series single crystal comprising the following step steps of:

single-crystallizing providing a $BaTiO_3$ - $PbTiO_3$ compact powder member or sintered member substance having a smaller Pb-containing mol Pb content mole number than Ba-containing mol Ba content mole number by defining the range of the mol molar ratio of elements contained therein to be $0.9800 < (Ba + Pb) / Ti < \frac{1.0000}{1.0000}$; and by

heating <u>said compact powder or sintered substance</u>, while keeping said <u>compact</u> powder or <u>member sintered substance</u> in non-molten condition.

- 14. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein the range of the mol molar ratio of elements contained in said compact powder member or sintered member to be substance is 0.9900 < (Ba + Pb) / Ti < 0.9999.
- 15. (Currently Amended) A method for manufacturing $BaTiO_3$ $PbTiO_3$ series single crystal according to Claim 14, wherein the range of the mol molar ratio of elements contained in said compact powder member or sintered member to be substance is $0.9950 \le (Ba + Pb) / Ti \le 1.0000$.
- 16. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein the ratio of PbTiO₃ content in said compact powder

member or said sintered member substance is 45 mol % or less.

- 17. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 16, wherein the ratio of PbTiO₃ content in said compact powder member or said sintered member substance is 30 mol % or less.
- 18. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 17, wherein the ratio of PbTiO₃ content in said compact powder member or said sintered member substance is 25 mol % or less.
- 19. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, comprising the following step of:

single-crystallizing by heating said compact powder member or sintered member substance within a temperature range of 1,200°C or more and 1,400°C or less.

- 20. (Original) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13, wherein a compound containing lead is inserted into a furnace during the single crystal growing process to generate steam containing Pb for the growth of BaTiO₃ PbTiO₃ series single crystal.
- 21. (Currently Amended) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 13 Claim 20, comprising the following step of:

single-crystallizing by heating, while keeping said compact powder member or sintered member substance in the lead atmosphere and in non-molten condition.

22. (Currently Amended) A method for manufacturing BaTiO₃ - PbTiO₃ series single crystal according to Claim 13, comprising the following steps of:

preparing BaTiO₃ series single crystal or BaTiO₃ - PbTiO₃ series single crystal as

seed crystal;

coupling BaTiO₃ - PbTiO₃ series sintered member composed of crystal grain of average granular diameter of 20 µm or less, having the relative density of 95% or more, with the {100} plane, {110} plane, or {111} plane of said seed crystal; and

single-crystallizing by heating, while keeping said coupled substance in non-molten condition.

- 23. (Currently Amended) A method for manufacturing $BaTiO_3$ $PbTiO_3$ series single crystal according to Claim 20, wherein the mol molar ratio of elements contained in said $BaTiO_3$ $PbTiO_3$ series sintered member substance is within a range of $0.9950 \le (Ba + Pb) / Ti \le 0.9999$.
- 24. (Original) A method for manufacturing BaTiO₃ PbTiO₃ series single crystal according to Claim 22, wherein a compound containing lead is inserted into a furnace during the single crystal growing process to generate steam containing Pb for the growth of BaTiO₃ PbTiO₃ series single crystal.